

ABSTRACT OF THE DISCLOSURE

A radiation image reading apparatus for reading a radiation image information from a stimulable phosphor sheet attached to a back base of a cassette comprised of an inlet through which the cassette is inserted, a separator to separate the front cover and the back base of the cassette, a vertical scanner, an image reader to read radiation image information, an eraser to erase the remaining radiation image information, a re-assembling section to re-assemble the front cover and the back base again, an outlet, and a conveyer to move the cassette, wherein the conveyer moves the cassette with at least a rotational displacement.